Sheet	1	of	1	
OHOOL	L	O1	L	

Substitute Form PTO-1449 (Modified)			Application No. 10/830,195	
	closure Statement pplicant	Applicant Buiser et al.		
(Use several sheets if necessary) (37 CFR \$1 98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents								
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
	AA						·	

	Foreign Patent Documents or Published Foreign Patent Applications										
Examiner	Desig.	Document	Publication	Country or			Trans	lation			
Aitial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No			
AMS	AB	WO 03/013552	02/20/2003	WIPO							
AHAS	AC	WO 2004/040972	05/21/2004	WIPO							

Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
	AD						

Examiner Signature

Date Considered 2-19-07

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet	_1	of	1
		••	

·	•			_
Substitute Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
/   O·\	closure Statement oplicant	Applicant Buiser et al.		
(37 CFR §199(b))	neets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	
The same			•	

1 TRADE	U.S. Patent Documents						. 0
Examiner Injtial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
XXXX	AA	2003/0215519	11/20/2003	Schwarz et al.			

Foreign Patent Documents or Published Foreign Patent Applications									
Examiner	Desig.	Document	Publication	Country or		i.	Trans	slation	
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No	
	AB	•							

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document
	AC	

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Attorney's Docket No. 01194-459001 Application No. 10/830,195

Applicant Marcia Buiser et al.

Filing Date April 22, 2004 Application No. 1742

,	U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
MAK	Al	2,275,154	03/03/1942	Merrill et al.	Ciass	Oubolass	пирродилас	
1111	A2	4,034,759	07/12/1977	Наегт	<u> </u>			
	A3	4,094,848	06/13/1978	Naito		· · · · · · · · · · · · · · · · · · ·		
	A4	4,096,230	06/20/1978	Наегт				
	A5	4,159,719	07/03/1979	Haerr				
	A6	4,402,319	09/06/1983	Handa et al.	-			
	A7	4,640,807	02/03/1987	Afghan et al.				
	A8	4,674,480	06/23/1987	Lemelson				
	A9	4,695,466	09/22/1987	Morishita et al.				
	A10	4,793,980	12/27/1988	Torobin				
	All	4,897,255	01/30/1990	Fritzberg et al.				
	A12	4,946,899	08/07/1990	Kennedy et al.		-···		
	AI3	5,015,423	05/14/1991	Eguchi et al.				
	A14	5,091,205	02/25/1992	Fan				
	A15	5,181,921	01/26/1993	Makita et al.				
	A16	5,190,760	03/02/1993	Baker		<del></del>		
	A17	5,192,301	03/09/1993	Kamiya et al.		···		
	A18	5,263,992	11/23/1993	Guire				
	A19	5,320,639	06/14/1994	Rudnick				
	A20	RE 34,640	06/14/1994	Kennedy et al.				
	A21	5,328,936	07/12/1994	Leifholtz et al.				
	A22	5,336,263	08/09/1994	Ersek et al.				
	A23	5,443,495	08/22/1995	Buscemi et al.				
	A24	5,733,925	03/31/1998	Kunz et al.			,	
	A25	5,741,331	04/21/1998	Pinchuk	·	··		
	A A26	5,840,387	11/24/1998	Berlowitz-Tarrant et al.				
V	A27	5,888,930	03/30/1999	Smith et al.				

Examiner Signature			Date Considered	2-19-07					
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with									
next communication to applicant									

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 01194-459001	Application No. 10/830,195	
	closure Statement pplicant	Applicant Marcia Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents								
Examiner	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
MAS	A28	5,895,398	04/20/1999	Wensel et al.				
	A29	5,902,834	05/11/1999	Porrvik				
	A30	6,048,908	04/11/2000	Kitagawa				
	A31	6,056,721	05/02/2000	Shulze				
	A32	6,056,844	05/02/2000	Guiles et al.				
	A33	6,160,084	12/12/2000	Langer et al.				
	A34	6,179,817	01/30/2001 .	Zhong				
	A35	6,214,384	04/10/2001	Pallado et al.				
	A36	6,245,090	06/12/2001	Gilson et al.				
	A37	6,251,661	06/26/2001	Urabe et al.				
	A38	6,280,457	08/28/2001	Wallace et al.				
	A39	6,296,604	10/02/2001	Garibaldi et al.			;	
	A40	6,296,622	10/02/2001	Kurz et al.				
	A41	6,296,632	10/02/2001	Luscher et al.	·			
	A42	6,306,419	10/23/2001	Vachon et al.				
	A43	6,306,425	10/23/2001	Tice et al.				
	A44	6,312,407	11/06/2001	Zadno-Azizi et al.				
	A45	6,312,942	11/06/2001	Plüss-Wenzinger et al.				
	A46	6,355,275	03/12/2002	Klein				
	A47	6,368,658	04/09/2002	Schwarz et al.				
	A48	6,379,373	04/30/2002	Sawhney et al.				
	A49	2002/0054912	05/09/2002	Kim et al.				
	A50	6,388,043	05/14/2002	Langer et al.				
	A51	2002/0061954	05/23/2002	Davis et al.			·	
/0	A52	6,436,112	08/20/2002	Wensel et al.				
N/	A53	6,443,941	09/03/2002	Slepian et al.				
	A54	<b>/</b> \$,458,296	10/01/2002	Heinzen et al.				
		//						
Examiner Signa	iture / /	/	_	Date Considered		_	I	

Examiner Signature	Date Considered 2 - 19-07
EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449 (Modified)					
	closure Statement oplicant	Applicant Marcia Buiser et al.			
(Use several st	neets if necessary)	Filing Date April 22, 2004	Group Art Unit		

U.S. Patent Documents									
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	, Class	Subclass	Filing Date If Appropriate		
ATTE	A55	2002/0160109	10/31/2002	Yeo et al.					
100	A56	6,476,069	11/05/2002	Krall et al.					
	A57	2002/0182190	12/05/2002	Naimark et al.					
	A58	6,495,155	12/17/2002	Tice et al.			•		
	A59	2002/0197208	12/26/2002	Ruys et al.					
	A60	2003/0007928	01/09/2003	Gray					
	A61	2003/0032935	02/13/2003	Damiano et al.					
	A62	6,544,503	04/08/2003	Vanderhoff et al.					
	A63	6,545,097	04/08/2003	Pinchuk et al.					
	A64	6,575,896	06/10/2003	Silverman et al.					
	A65 -	2003/0108614	06/12/2003	Volkonsky et al.					
	A66	6,602,261	08/05/2003	Greene, Jr., et al.					
	A67	6,605,111	08/12/2003	Bose et al.					
	A68	2003/0183962	10/02/2003	Buiser et al.			, , , , , , , , , , , , , , , , , , , ,		
	A69	2003/0185895	10/02/2003	Lanphere et al.					
	A70	2003/0185896	10/02/2003	Buiser et al.					
	A71	2003/0187320	10/02/2003	Freyman					
	A72	6,629,947	10/07/2003	Sahatjian et al.					
	A73	6,632,531	10/14/2003	Blankenship					
	Á74	2003/0194390	10/16/2003	Krall et al.					
	A75	2003/0203985	10/30/2003	Baldwin et al.					
	A76	2003/0206864	11/06/2003	Mangin					
	A77	6,652,883	11/25/2003	Goupil et al.					
	A78	2003/0233150	12/18/2003	Bourne et al.					
	A79	6,699,222	03/02/2004	Jones et al.					
	<b>1</b> 80	2004/0076582	04/22/2004	DiMatteo et al.					
	Asy	2004/0091543	05/13/2004	Bell et al.	· .		,		
A.	71	A							

Examiner Signature	5/		Date Considered 2 -	19-07
EXAMINER: Initials ci		w line through citation if no	ot in conformance and not cons	idered. Include copy of this form with

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office		Application No. 10/830,195	
	closure Statement	Applicant Marcia Buiser et al.		
(Use several st	neets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents									
Examiner Anitial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate		
WHE	A82	2004/0092883	05/13/2004	Casey III, et al.		•			
1	A83	2004/0096662	05/20/2004	Lanphere et al.					
	A84	2004/0101564	05/27/2004	Rioux et al.					
	A85	2004/0186377	09/23/2004	Zhong et al.					
	A86	2005/0025800	02/03/2005	Tan					
	A87	2005/0037047	02/17/2005	Song					
	A88	2005/0095428	05/05/2005	DiCarlo et al.					
. 17	A89	2005/0129775	06/16/2005	Lanphere et al.					
	A90	2005/0196449	09/08/2005	DiCarlo et al.					
	A91	2005/0226935	10/13/2005	Kamath et al.					

Examiner	Desig.	n Patent Docui	Publication	Country or				lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
XXXX	A92	AU-A-76186/98	10/15/1998	Australia				<u> </u>
THE	A93	EP 0 067 459 A1	12/22/1982	EPO				
11.	A94	EP 0 122 624	10/24/1984	EPO				X_
XXX	A95	EP 0 122 624	10/24/1984	EPO (Abstract)			Х	
4.	A96	EP 0 123 235	10/31/1984	EPO				_x
XAAZ	A97	EP 0 123 235	10/31/1984	EPO (Abstract)			Х	
4/145	A98	EP 0 243 165	10/28/1987	EPO				
2000	A99	EP 0 294 206	12/07/1988	EPO				
A 4	A100	EP 0 458 079	11/27/1991	EPO				X
DAMS	A101	EP 0 458 079	11/27/1991	EPO (Abstract)			х	
XAX	A102	EP 0 458 745	11/27/1991	EPO				
	A103	EP 0 067 459 B2	03/09/1998	EPO				
J	A104	EP 0 764 047	08/27/2003	EPO				
V	A105	EP 0 993 337	04/14/2004	EPO				

ASSTRACT

ANSTART

Examiner Signature

Date Considered

2-19-07

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 01194-459001	Application No. 10/830,195	
1	closure Statement	Applicant Marcia Buiser et al.		
(Use several sl	neets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

		Foreig	n Patent Docur		ıblished Foreign F	Patent A	Application		
	Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Trans Yes	Slation No
1.00	1	A106	DE 3834705	04/12/1990	Germany				X
Alsa	XV07	A107	DE 3834705	04/12/1990	Germany (Abstract)		· · · · · · · · · · · · · · · · · · ·	х	
1 140		- · A108	DE 297 24 255 U1	10/05/2000	Germany				х
posterio	AAD	A109	DE 297 24 255 U1	10/05/2000	Germany (Abstract)			х	
7070-7		A110	<del>ЛР 9-165328</del>	06/24/1997	Japan	-			-x-
1	19/11/5	A111	JP 9-165328	06/24/1997	Japan (Abstract)			Х	
3.4	1-	A112	Љ 2000189511	07/11/2000	Japan (Abstract)			Х	
asiens	1	A113	JP 2001079011	03/27/2001	Japan (Abstract)			Х	
My Ni.		A114	NZ 255409	02/24/1997	New Zealand				
0.		A115	NZ 517377	08/29/2003	New Zealand				
		A116	ES 2 096 521	03/01/1997	Spain				x
	XXX	A117	ES 2 096 521	03/01/1997	Spain (Abstract)			х	
	SAZ	A118	TW 421658	02/11/2001	Taiwan (Abstract)			х	
	1803	A119	WO 91/12823	05/09/1991	WIPO				
	1	A120	WO 93/00063	01/07/1993	WIPO				
		A121	WO 95/33553	12/14/1995	WIPO				
		A122	WO 98/26737	06/25/1998	WIPO				
		A123	WO 99/00187	01/07/1999	WIPO				
		A124	WO 99/51278	10/14/1999	WIPO				
		A125	WO 00/032112	06/08/2000	WIPO (Corrected Version)				
		A126	WO 01/72281	10/04/2001	WIPO				
		A127	WO 01/93920	12/13/2001	WIPO				
	^	A128	WO 03/016364	02/27/2003	WIPO				
	$\mathbb{N}$	A 129	WO 03/051451	06/26/2003	WIPO				
		A130	WO 2004/019999	03/11/2004	WIPO				
		A131	WO 2004/073688	09/02/2004	WIPO				
	V	//							

Examiner Signature

Date Considered

1,5

EXAMINER Initials citation considered fraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
Information Disc by App	losure Statement plicant	Applicant Marcia Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or			Trans	slation
nitial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
94407	A132	WO 2004/075989	09/10/2004	WIPO				

	Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.				
pitial	ID	Document			
Y443	A133	Abbara et al., "Transcervical Expulsion of a Fibroid as a Result of Uterine Artery Embolization for Leiomyomata", JVIR, Vol. 10, No. 4, pp. 409-411, 1999			
	A134	Abrahams, J.M. et al., "Topic Review: Surface Modifications Enhancing Biological Activity of Guglielmi Detachable Coils in Treating Intracranial Aneurysms", Surg. Neurol. 54:34-41, 2000			
	A135	Abrahams, J.M. et al., "Delivery of Human Vascular Endothelial Growth Factor with Platinum Coils Enhances Wall Thickening and Coil Impregnation in a Rat Aneurysm Model", AJNR Am. J. Neuroradiol. 22:1410-1417, August 2001			
	A136	Ahuja, A.A., "Platinum Coil Coatings to Increase Thrombogenicity: A Preliminary Study in Rabbits", AJNR Am. J. Neuroradiol. 14:794-798; July/August 1993			
	A137	Antibody Labeling, http://www.altcorp.com/AffinityLabeling/ablaeling.htm, pp. 1-6, May 20, 2003			
	A138	Berkowitz, R.P. et al., "Vaginal Expulsion of Submucosal Fibroids After Uterine Artery Embolization", Journal of Reproductive Medicine, Vol. 44, No. 4, pp. 373-376; April 1999 <a href="http://www.reproductivemedicine.com">http://www.reproductivemedicine.com</a>			
	A139	Bourke et al., "Protein Drug Release from Photocrosslinked Poly(vinyl alcohol) Hydrogels," Society for Biomaterials 28th Annual Meeting Transactions, p. 144 (2002)			
	A140	Bradley, E.A. et al., "Transcatheter Uterine Artery Embolisation to Treat Large Uterine Fibroids", British Journal of Obstetrics and Gynaecology, Vol. 105, pp. 235-240; February 1998			
	A141	Brockmann, J. et al., "Radiolabeling of p-Bz-DOTA-CD-11c antibody with 88Y: Conjugation, Labeling, Biodistribution studies", 2 pages, 2000 <a href="http://www.kernchemie.uni-mainz.de/downloads/jb2000/b14">http://www.kernchemie.uni-mainz.de/downloads/jb2000/b14</a> brockmann.pdf			
	A142	Capozza et al., "Endoscopic treatment of vesico-ureteric reflux and urinary incontinence: technical problems in the paediatric patient," <i>British Journal of Urology</i> , 75(4):538-542 (April 1995)			
	A143	Carroll, B.A. et al., "Microbubbles as Ultrasonic Contrast Agents", <i>Investigative Radiology</i> , Vol. 14, No. 3, p. 374, Supplement to May-June 1979			
	A144	Carroll, B.A. et al., "Gelatin Encapsulated Nitrogen Microbubbles as Ultrasonic Contrast Agents", Journal of Clinical and Laboratory Research, Vol. 15, No. 1, pp. 260-266, February 1980			
	A145	Carstensen, E.L. et al., "Determination of the Acoustic Properties of Blood and its Components", Journal of Acoustical Society of America, Vol. 25, No. 2, pp. 286-289, March 1953			
	A146	Cirkel, U. et al., "Experience with Leuprorelin Acetate Depot in the Treatment of Fibroids: A German Multicentre Study", Clinical Therapeutics, Vol. 14, Suppl. A, 1992			
	A147	Concentric Medical, Inc Product Information (3 pages), 2002			
	A148	Cruise et al., "In Vitro and In Vivo Characterization of a Hydrogel-Based Ancurysm Embolization System," Society for Biomaterials 28th Annual Meeting Transactions, p. 203 (2002)			
	A149	Deasy, P. B., "Microencapsulation and Related Drug Processes", New York, NY, Marcel Dekker, Inc., 345 pages, 1984 (Table of Contents only)			
<u> </u>	///				

Examiner Signature	/ 5/	Date Considered 2-19-07-
EXAMINER: Initials cit next communication to		t in conformance and not considered. Include copy of this form with
<i>V</i>		Substitute Disclosure Form (PTO-1449)

		Attorney's Docket No. 01194-459001	Application No. 10/830,195
1	closure Statement plicant	Applicant Marcia Buiser et al.	
(Use several sh (37 CFR §1.98(b))	eets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742

		ocuments (include Author, Title, Date, and Place of Publication)			
Examiner \(\lambda \) Initial	Desig. ID	Document			
AR	A150	de Gast, A.N. et al., "Transforming Growth Factor β-coated Platinum Coils for Endovascular Treatment of Aneurysms: An Animal Study", Neurosurgery, Vol. 49, No. 3, pp. 690-696, Sept. 2001			
	- A151	Duckwiler et al., "Catheters, embolic agents spark neurointervention," <i>Diagnostic Imaging</i> , 16(5):66-72 (May 1994)			
	A152	Ersek et al., "Bioplastique: A New Textured Copolymer Microparticle Promises Permanence in Soft-Tissue Augmentation," <i>Plastic and Reconstructive Surgery</i> , 87(4):693-702 (April 1991)			
	A153	Eskridge, "Interventional Neuroradiology," Radiology, 172:991-1006 (November 1989)			
	A154	Feldman, L. et al., "Transcatheter Vessel Occlusion: Angiographic Results Versus Clinical Success", Radiology, Vol. 147, pp. 1-5, April 1983			
	A155	Ferrofluids, Physical Properties and Applications Ferrofluidics Corp., Nashua, NH, 5 pages, 1986			
Giller	A156	FeRx Incorporated, FERX Profile <a href="http://www.biotechshares.com/FERX.htm">http://www.biotechshares.com/FERX.htm</a> , 4 pages (Retrieved from the internet on June 26, 2003)			
	A157	"Fibroid Treatment Collective - Fibroid Embolization," 2 pages, http://www.fibroids.org			
	A158	Fritzsch, T. et al., "SH U 508, A Transpulmonary Echocontrast Agent", Investigative Radiology, Vol. 25, Supplement 1, pp. S160-S161, September 1990			
	A159	Fujimoto, S. et al., "Biodegradable Mitomycin C Microspheres Given Intra-Arterially for Inoperable Hepatic Cancer", Cancer, Vol. 56, pp. 2404-2410, 1985			
	A160	Gilbert, W.M. et al., "Angiographic Embolization in the Management of Hemorrhagic Complications of Pregnancy", American Journal of Obstetrics and Gynecology, Vol. 166, No. 2, pp. 493-497, February 1992			
	A161	Goldberg, B.B., "Ultrasonic Cholangiography", Radiology, Vol. 118, pp. 401-404, February 1976			
	A162	Gramiak et al., "Echocardiography of the Aortic Root," Investigative Radiology, 3(5):356-366 (September-October 1968)			
	A163	Gramiak, R. et al., "Ultrasound Cardiography: Contrast Studies in Anatomy and Function", Radiology, Vol. 92, No. 5, pp. 939-948, April 1969			
	A164	Greenwood, L.H. et al., "Obstetric and Nonmalignant Gynecologic Bleeding: Treatment with Angiographic Embolization", Radiology, Vol. 164, No. 1, pp. 155-159, July 1987			
	A165	Gupta et al., "Plasma-induced graft polymerization of acrylic acid onto poly(ethylene terephthalate) films: characterization and human smooth muscle cell growth on grafted films," Biomaterials, 23:863-871 (2002)			
	A166	Halstenberg et al., "Biologically Engineered Protein-graft-Poly(ethylene glycol) Hydrogels: A Cell Adhesive and Plasmin-Degradable Biosynthetic Material for Tissue Repair," <i>Biomacromolecules</i> , 3(4):710-723 (2002)			
	A167	Hirano et al., "Transcutaneous Intrafold Injection For Unilateral Vocal Fold Paralysis: Functional Results," Ann. Otol. Rhinol Laryngol., 99(8):598-604 (August 1990)			
	A168	"Injectable Tissue Implant Could Repair Ravages of Surgery", Clemson University, Biotech Week, Oct. 22, 2003, p. 117			
	A169	Jones, S.K. et al., "Experimental Examination of a Targeted Hyperthermia System Using Inductively Heated Ferromagnetic Microspheres in Rabbit Kidney", <i>Phys. Med. Biol.</i> , Vol. 46, No. 2, pp. 385-398, February 2001, <a href="https://www.iop.org/Journals/pb">www.iop.org/Journals/pb</a>			
Examiner Signa	we///	Date Considered 219-07			
EXAMINER: In	tiels citation tion to appl	considered braw line through citation if not in conformance and not considered. Include copy of this form with			

Substitute Form PTO-1449 U.S. Department of Commerce (Modified) Patent and Trademark Office		Attorney's Docket No. 01194-459001	Application No. 10/830,195	
	closure Statement	Applicant Marcia Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	
Initial	ID.	Document
SHR	A170	Jung et al., "Sulfobutylated poly(vinyl alcohol)-graft-poly(lactide-co-glycolide)s facilitate the preparation of small negatively charged biodegradable nanospheres," Journal of Controlled Release, 67:157-169 (2000)
1	A171	Kallmes, D.F. et al., "In Vitro Proliferation and Adhesion of Basic Fibroblast Growth Factor-producing Fibroblasts on Platinum Coils", Radiology, Vol. 206, No. 1, pp. 237-243, January 1998
	A172	Kerber, C., "Balloon Catheter with a Calibrated Leak", Radiology, Vol. 120, pp. 547-550, September 1976
	A173	Khankan et al., "Embolic Effects of Superabsorbent Polymer Microspheres in Rabbit Renal Model: Comparison with Tris-acryl Gelatin Microspheres and Polyvinyl Alcohol," <i>Radiation Medicine</i> , 22(6):384-390 (2004)
	A174	Kim et al., "Hollow Silica Spheres of Controlled Size and Porosity by Sol-Gel Processing," J. Am. Ceram. Soc., 74(8):1987-1992 (August 1991)
	A175	Kim et al., "Poly(vinyl alcohol) beads with core-shell structure for drug delivery," Cosmetic and Pharmaceutical Applications of Polymers, Plenum Press, New York, pp. 209-214 (1991)
	A176	Kim et al., "Suspension polymerized poly(vinyl alcohol) beads for drug delivery," Polymeric Materials: Science and Engineering, Proceedings of the ACS Division of Polymeric Materials: Science and Engineering, 63:64-67 (1990)
	A177	Kochan, J.P. et al., "Interventional Neuroradiology: Current Practices and Techniques at Temple University Hospital," <a href="http://www.temple.edu/radiology/stroke.html">http://www.temple.edu/radiology/stroke.html</a> , 5 pages
	A178	Krinick et al., "A polymeric drug delivery system for the simultaneous delivery of drugs activatable by enzymes and/or light," J. Biomater. Sci. Polymer Edn, 5(4):303-324 (1994)
	A179	Kuhn, R. et al., "Embolic Occlusion of the Blood Supply to Uterine Myomas: Report of 2 Cases", Aust. NZ. J. Obstet. Gynaecol., Vol. 39, No. 1, pp. 120-122, February 1999
	A180	Kurbatova, G.T. et al., "Magnetically-guided Anesthetics Based on Highly Dispersed Iron Powders Coated by Polyacrylamide", <i>Biofizika</i> , Vol. 47, No. 2, pp. 331-337, March-April 2002 http://intapp.medscape.com/px/medlineapp
	A181	Laurent, "Materials and biomaterials for interventional radiology," Biomed. & Pharmacother., 52:76-88 (1998)
	A182	Lemperle et al., "PMMA Microspheres for Intradermal Implantation: Part I. Animal Research,"  Annals of Plastic Surgery, 26(1):56-63 (January 1991)
	A183	Lendlein, A. et al., "Biodegradable, Elastic Shape-Memory Polymers for Potential Biomedical Applications", Science, Vol. 296, pp. 1673-1676, May 31, 2002
	A184	Leventon, William, "Hemocompatible Coatings for Blood-Contacting Devices", Medical Device & Diagnostic Industry: Coating Technologies – New Methods to Ensure Blood Compatibility, Vol. 25, No. 8, pp. 62-67, August 2003
	A185	Levy et al., "Transcatheter Uterine Artery Embolization for the Treatment of Symptomatic Uterine Fibroid Tumors," Journal of Women's Imaging, 2(4):168-175 (2000)
	A186	Lipman, "Uterine artery embolization for the treatment of symptomatic uterine fibroids: A review," Applied Radiology, 29(7):15-20 (July 2000)
$ \forall$	A187	Lowery, C.L. et al., "Screening Tests for Intrauterine Growth Retardation: A Comparison of Umbilical Artery Doppler to Real-Time Ultrasound", <i>Echocardiography</i> , Vol. 7, No. 2, pp. 159-164, March 1990
		//

Examiner Signature	Date Considered
	19-0
EXAMINER: Initial's ditation considered. Draw fine through citation if no	t in conformance and not considered. Include copy of this form with
next communication to applicant	

Substitute Form PTO-1449 U.S. Department of Commerce (Modified) Patent and Trademark Office		Attorney's Docket No. 01194-459001	Application No. 10/830,195	
	closure Statement	Applicant Marcia Buiser et al.		
(Use several sh	eets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner	Desig. ID	Document	
AAS	A188	Marich, K.W. et al., "Real-Time Imaging with a New Ultrasonic Camera: Part I, In Vitro Experimental Studies on Transmission Imaging of Biological Structures", Journal of Clinical Ultrasound, Vol. 3, No. 1, pp. 5-16, March 1975	
	A189	Maruhashi, "Modified Polyvinyl Alcohols I and II," Polyvinyl Alcohol - Developments, John Wiley & Sons, Chichester, England, pp. 160-161 and pp. 186-191 (1992)	
	A190	Marx, W. F. et al., "Endovascular Treatment of Experimental Aneurysms by Use of Biologically Modified Embolic Devices: Coil-mediated Intraaneurysmal Delivery of Fibroblast Tissue Allografts", AJNR. Am. J. Neuroradiol., Vol. 22, pp. 323-333, February 2001	
	A191	Mather, P.T., Research Group Homepage, Basic Goals and Methods, <a href="http://www.ims.uconn.edu/~mather">http://www.ims.uconn.edu/~mather</a> , 4 pages	
	A192	Matsumoto, H. et al., "Basic Fibroblast Growth Factor Released from a Platinum Coil with a Polyvinyl Alcohol Core Enhances Cellular Proliferation and Vascular Wall Thickness: An In Vitro and In Vivo Study", Neurosurgery, Vol. 53, No. 2, pp. 402-408, August 2003	
	A193	Matsumoto, Y. et al., "Room-Temperature Ferromagnetism in Transparent Transition Metal-Doped Titanium Dioxide", Science, Vol. 291, pp. 854-856, February 2, 2001 www.sciencemag.org	
	A194	McIvor, J. et al., "Pregnancy After Uterine Artery Embolization to Control Haemorrhage from Gestational Trophoblastic Tumour", <i>British Journal of Radiology</i> , Vol. 69, No. 823, pp. 624-629, July 1996	
	A195	MerocelXL Sponge with Hytrol <a href="http://www.xomed.com/newproducts/merocelxl/merocelxl_earwick.asp">http://www.xomed.com/newproducts/merocelxl/merocelxl_earwick.asp</a> , 3 pages, 2001	
	A196	Moroz, P. et al., "Arterial Embolization Hyperthermia in Porcine Renal Tissue", Journal of Surgical Research, Vol. 105, No. 2, pp. 209-214, June 15, 2002	
	A197	Moroz, P. et al., "Hepatic Clearance of Arterially Infused Ferromagnetic Particles", Int. J. Hyperthermia, Vol. 19, No. 1, pp. 23-24, February 2003, http://www.tandf.co.uk/journals	
	A198	Namiki, "Application of Teflon Paste for Urinary Incontinence – Report of 2 Cases," Uro. Int., 39:280-282 (1984)	
	A199	Orienti et al., "Crosslinked Polyvinylalcohol Hydrogels as Vehicles for Hydrophilic Drugs," Arch. Pharm. Pharm. Med. Chem., 333:421-424 (2000)	
	A200	Orsini, L. F. et al., "Pelvic Organs in Premenarcheal Girls: Real-Time Ultrasonography", Radiology, Vol. 153, No. 1, pp. 113-116, October 1984	
	A201	Pedley et al., "Hydrogels in Biomedical Applications," British Polymer Journal, 12:99-110 (September 1980)	
V.	A202	Phillips, D. R. et al., "Experience with Laparoscopic Leiomyoma Coagulation and Concomitant Operative Hysteroscopy", J. Am. Assoc. Gynecol. Laparosc, Vol. 4, No. 4, pp. 425-533, August 1997	
	7.7		

		1	
Examiner Signature	7		Date Considered
- W/	/  /	6	
14	X		0 19-07
EXAMINER: Initials	itali	ion considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with
			in the contention and the contention of the content
next communication t	o ar	oplicant.	•

		Attorney's Docket No. 01194-459001	Application No. 10/830,195	
************	losure Statement plicant	Applicant Marcia Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document
AHR	A203	Pistel et al., "Brush-like branched biodegradable polyesters, part III Protein release from microspheres of poly(vinyl alcohol)-graft-poly(D,L-lactic-co-glycolic acid)," Journal of Controlled Release, 73:7-20 (2001)
	A204	Politano et al., "Periurethral Teflon Injection for Urinary Incontinence," The Journal of Urology, 111:180-183 (1974)
	A205	Poppe, W. et al., "Pregnancy after Transcatheter Embolization of a Uterine Arteriovenous Malformation", Am. J. Obstet. Gynecol., Vol. 156, No. 5, pp. 1179-1180, May 1987
	A206	Progelhof et al., "Table 4.21. Properties of electrical insulating films (101)," Polymer Engineering Principles: Properties, Processes, and Tests for Design, Hanser Publishers, Munich, p. 383 (1993)
	A207	PVA Plus, AngioDynamics® Inc., "Reliable PVA Foam Formulated for Consistency and Controlled Delivery – Embolization Particles Ordering Information," <a href="https://www.angiodynamics.com">www.angiodynamics.com</a> , 2 pages (August 2002)
	A208	Ravina, J.H. et al., "Advantage of Pre-Operative Embolization of Fibroids: About a Multicentric Set of 31 Cases", Contracept. Fertil. Sex., Vol. 23, No. 1, pp. 45-49, January 1995 (abstract)
	A209	Ravina, J.H. et al., "Arterial Embolisation to Treat Uterine Myomata", Lancet, Vol. 346, pp. 671-674, September 9, 1995
	A210	Ravina, J.H. et al., "Interest of Particulate Arterial Embolization in the Treatment of Some Uterine Myoma", Bull. Acad. Natle. Med., Vol. 181, No. 2, pp. 233-246, February 4, 1997 (Summary)
	A211	Rhine et al., "Polymers for Sustained Macromolecule Release: Procedures to Fabricate Reproducible Delivery Systems and Control Release Kinetics," Journal of Pharmaceutical Sciences, 69(3):265-270 (March 1980)
	A212	Schetky, "Shape-Memory Alloys," Encyclopedia of Chemical Technology, Third Edition, Volume 20, John Wiley & Sons, New York, pp. 726-736 (1982)
	A213	Schlief, R. et al., "Enhanced Color Doppler Echocardiography of the Left Heart After Intravenous Injection of a New Saccharide Based Agent in Humans", Circulation, Vol. 82, No. 2, p. 28, October 1990 (Abstract)
	. A214	Schlief, R. et al., "Successful Opacification of the Left Heart Chamber on Echocardiographic Examination after Intravenous Injection of a New Saccharide Based Contrast Agent", Echocardiography, Vol. 7, No. 1, pp. 61-64, January 1990
	A215	Shafik, "Intraesophageal Polytef injection for the treatment of reflux esophagitis," Surg. Endosc., 10:329-331 (1996)
	A216	Shape Shifters, http://www.sciam.com/tehbiz/0501scicit6.html, 3 pages, 2001
V	A217	Shung, K.K. et al., "Scattering of Ultrasound by Blood", IEEE Transactions on Biomedical Engineering, Vol. BME-23, No. 6, pp. 460-467, November 1976

	/			
Examiner Signature	/ 1		Date Considered	21916
EXAMINER: Initials citat		w line through citation if no	t in conformance and no	t considered. Include copy of this form with

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
	losure Statement plicant	Applicant Marcia Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig.	Document
YARS	A218	Sigelmann, R.A. et al., "Analysis and Measurement of Ultrasound Backscattering from an Ensemble of Scatters Excited by Sine-Wave Bursts", Journal of Acoustical Society of America, Vol. 53, No. 4, pp. 1351-1355, April 1973
	A219	SIR-Spheres (Yttrium-90 Microspheres), pp. 1-12
	A220	SIR-Spheres, Radioactive Implant (Yttrium-90 Microspheres), Sirex Medical, Inc., San Diego, CA, November 6, 2000, pp. 1-15
	A221	Sirtex Medical Limited – Product Description <a href="http://www.sirtex.com/?p=72">http://www.sirtex.com/?p=72</a> , 3 pages (Retrieved from the internet on May 27, 2003)
	A222	Sirtex Medical Limited – Targeted Radiotherapy with SIR-Spheres <a href="http://www.sirtex.com/?p=57">http://www.sirtex.com/?p=57</a> , 2 pages (Retrieved from the internet on May 27, 2003)
	A223	Siskin et al., "Pathologic Evaluation of a Spherical Polyvinyl Alcohol Embolic Agent in a Porcine Renal Model," J. Vasc. Interv. Radiol., 14:89-98 (2003)
	A224	Skotland, T. et al., "In Vitro Stability Analyses as a Model for Metabolism of Ferromagnetic Particles (Clariscan™), a Contrast Agent for Magnetic Resonance Imaging", J. Pharm. Biomed. Anal., Vol. 28, No. 2, pp. 323-329, April 15, 2002
	A225	"Smart Sutures Tie Themselves", April 26, 2002, <a href="http://www.sciam.com/article.cfm?articleID=00047706-121F-1CD0-B4A8809EC588">http://www.sciam.com/article.cfm?articleID=00047706-121F-1CD0-B4A8809EC588</a> , 2 pages
	A226	Smith et al., "Evaluation of Polydimethylsiloxane as an alternative in the Endoscopic Treatment of Vesicoureteral Reflux," <i>The Journal of Urology</i> , 152:1221-1224 (October 1994)
	A227	Smith et al., "Left Heart Opacification with Peripheral Venous Injection of a New Saccharide Echo Contrast Agent in Dogs", JACC, Vol. 13, No. 7, pp. 1622-1628, June 1989
	A228	Soppimath et al., "Controlled release of antihypertensive drug from the interpenetrating network poly(vinyl alcohol)-guar gum hydrogel microspheres," J. Biomater. Sci. Polymer Edn, 11(1):27-43 (2000)
	A229	Stancato-Pasik, A. et al., "Obstetric Embolotherapy: Effect on Menses and Pregnancy", Radiology, Vol. 204, No. 3, pp. 791-793, September 1997
	A230	Stein, R. et al., "Targeting Human Cancer Xenografts with Monoclonal Antibodies Labeled Using Radioiodinated, Diethylenetriaminepentaacetic Acid-appended Peptides", Clinical Cancer Research, Vol. 5, No. 10, pp. 3079-3087, October 1999 (Supplement)
	A231	Strasnick et al., "Transcutaneous Teflon® Injection for Unilateral Vocal Cord Paralysis: An Update," <i>The Laryngoscope</i> , 101:785-787 (July 1991)
	A 32	Tamatani, S. et al., "Histological Interaction of Cultured Endothelial Cells and Endovascular Embolic Materials Coated with Extracellular Matrix", J. Neurosurg., Vol. 86, No. 1, pp. 109-112, January 1997
A .		

Examiner Signature		Date Considered
ا المال	<b>—</b> 1/	1 1 0 5
	//	
EXAMINER: Iditials citation of	onsidered. Draw line through	citation if not in conformance and not considered. Include copy of this form with
next communication to applic		

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 01194-459001	Application No. 10/830,195	
	losure Statement plicant	Applicant Marcia Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

. (	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	
Igitial	ID	Document
AHS	A233	Thelen, V.M. et al., "Catheter Embolisation of Metastasising Renal Carcinomas Using Butyle-2-cyano-acrylate", Fortschr. Rontgenstr., Vol. 124, No. 3, pp. 232-235, March 1976
/ /	A234	Tian et al., "Design and synthesis of amphiphilic poly (ethylene glycol) derivatives as micellar drug delivery systems," <i>Polymer Preprints</i> , 43(2):719-720 (Fall 2002)
	A235	Toon, "Improving a Key Weapon Against Cancer," Research Horizons, pp. 11-12, Spring/Summer 2001
	A236	Waltman, A.C. et al., "Technique for Left Gastric Artery Catheterization", Radiology, Vol. 109, No. 3, pp. 732-734, December 1973
	A237	White, Jr., "Embolotherapy in Vascular Disease," American Journal of Roentgenology, 142:27-30 (January 1984)
	· A238	Widder, K.J. et al., "Selective Targeting of Magnetic Microspheres Containing Adriamycin: Total Remission in Yoshida Sarcoma-Bearing Rats", Proceedings of the 16 <sup>th</sup> Annual Meeting of American Society of Clinical Oncology, May 26-27, 1980, San Diego, CA, p. 261
	A239	Widder, K. et al., "Magnetic Microspheres: Synthesis of a Novel Parenteral Drug Carrier", Journal of Pharmaceutical Sciences, Vol. 68, No. 1, pp. 79-82, January 1979
	A240	Winters et al., "Periurethral injection of collagen in the treatment of intrinsic sphincteric deficiency in the female patient," The Urologic Clinics of North America, 22(3):673-678 (August 1995)
	A241	Wu, A.M., "Engineered Antibodies for Breast Cancer Imaging and Therapy," <a href="http://www.cbcrp.org/research/PageGrant.asp?grant_id=111">http://www.cbcrp.org/research/PageGrant.asp?grant_id=111</a> , 3 pages, 1996
	A242	Yamashita, Y. et al., "Transcatheter Arterial Embolization of Obstetric and Gynaecological Bleeding: Efficacy and Clinical Outcome", <i>British Journal of Radiology</i> , Vol. 67, pp. 530-534, June 1994
	A243	Yoon et al., "Surface Immobilization of Galactose onto Aliphatic Biodegradable Polymers for Hepatocyte Culture," <i>Biotechnol. Bioeng.</i> , 78(1):1-10 (April 5, 2002)
	A244	Zisch et al., "Covalently conjugated VEGF-fibrin matrices for endothelialization," Journal of Controlled Release, 72:101-113 (2001)
Y	A245	Ziskin, M.C. et al., "Contrast Agents for Diagnostic Ultrasound", <i>Investigative Radiology</i> , Vol. 7, No. 6, pp. 500-505, November-December 1972

Examiner Signature

Date Considered

Lagrange Signature

Date Considered

Sheet 1 of 1

OCT 1 9 7005

Substitute (Modifical) orm PTO-1449 U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 01194-459001

Application No. 10/830,195

**Information Disclosure Statement** by Applicant (Use several sheets if necessary)

Applicant Buiser et al.

Group Art Unit .

(37 CFR §1.98(b))

Filing Date April 22, 2004

1742

	U.S. Patent Documents						
Examiner Applial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
VIII	AA	4,713,076	12/15/1987	Draenert			
DARKS	AB	5,756,127	05/26/1998	Grisoni et al.			

-	Foreig	n Patent Docur	nents or Pu	blished Foreign	Patent A	Application	าร	
Examiner	Desig.	Document	Publication	Country or			Trans	lation
pitial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
SHE,	AC	WO 01/12359	02/22/2001	WIPO		•		
	AD	WO 01/66016	09/13/2001	WIPO				
	AE	WO 03/082360	10/09/2003	WIPO				
	AF	WO 03/084582	10/16/2003	WIPO				
N /	AG	WO 2004/014446	02/19/2004	WIPO				
	AH	WO 2004/020011	03/11/2004	WIPO				

(	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	Danier and
Initial	ID AT	Document  International Search Report and Written Opinion for PCT/US2005/013816, mailed August 18, 2005
7/V//L	AI	International Search Report and Written Opinion for PC1/OS2003/013816, mailed August 18, 2003

**Examiner Signature** 

**Date Considered** 

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet	1	of	1

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
	losure Statement PE	Applicant Buiser et al.		
(Use several she (37 CFR §1.98(b))	eets if necessary)  SEP 2 3 2004	Filing Date April 22, 2004	Group Art Unit 1742	

Examiner Desig. Document Publication Filing Date								
Examiner Initial	Desig. ID	Document Number	Publi <del>cation</del> Date	Patentee	Class	Subclass	Filing Date If Appropriate	
4410	AA	6,544,544	04/08/2003	Hunter et al.				
7	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	ΑI							
	AJ							
	AK							

	Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or		•	Trans	lation	
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No	
	AL								
	AM								
	AN					_			
	AO								
	AP								

	Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner	Desig.						
Initial	ID	Document					
	AQ						
	AR						
	AS						
	AT						

Examiner Signature	Date Considered 2 - 11-07
EXAMINER: Initials ditation considered. Draw line through citation if n next communication to applicant.	ot in conformance and not considered. Include copy of this form with
	Substitute Disclosure Form (PTO-1449)

Sheet 1 of 19

AUG 3 '			
Substitute Form PTO-	U.S. Separtment of Commerce	Attorney's Docket No. 01194-459001	Application No. 10/830,195
(Modified) Information Disch		Applicant Buiser et al.	
(Use several she	ets if necessary)	Filing Date	Group Art Unit
(37 CER 81 98(b))		April 22, 2004	1742

U.S. Patent Documents								
Examiner Inifial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
4418	AA	2,609,347	09/02/1952	Wilson				
1	AB	3,663,470	05/16/1972	Nishimura et al.				
	AC	3,737,398	06/05/1973	Yamaguchi				
	AD	3,957,933	05/18/1976	Egli et al.				
	AE	4,025,686	05/24/1977	Zion				
	AF	4,055,377	10/25/1977	Erickson et al.		-		
	AG	4,076,640	02/28/1978	Forgensi et al.				
	AH	4,098,728	07/04/1978	Rosenblatt				
	AI	4,110,529	08/29/1978	Stoy				
	AJ	4,191,672	03/04/1980	Salome et al.		****		
	AK	4,198,318	04/15/1980	Stowell et al.				
	AL	4,243,794	01/06/1981	White et al.				
	. AM	4,246,208	01/20/1981	Dundas				
	AN	4,266,030	05/05/1981	Tschang et al.			· · · · ·	
	AO	4,268,495	05/19/1981	Muxfeldt et al.				
	AP	4,271,281	06/02/1981	Kelley et al.				
	AQ	4,413,070	11/01/1983	Rembaum				
	AR	.4,427,794	01/24/1984	Lange et al.				
	AS	4,428,869	01/31/1984	Munteanu et al.			•	
ġ	ΑĮT	4,429,062	01/31/1984	Pasztor et al.				
	AU	4,442,843	04/17/1984	Rasor et al.		•		
	AV	4,444,961	04/24/1984	Timm				
	AW	4,452,773	06/05/1984	Molday				
	AX	4,456,693	06/26/1984	Welsh				
	AY	4,459,145	07/10/1984	Elsholz		i		
	ΑZ	4,472,552	09/18/1984	Blouin				
	AA	4,477,255	10/16/1984	Pasztor et al.				
Y N								

<u>\</u>		
Examiner Signature		Date Considered
1\// 1 /		0 19 07
O/ 1/		
EVAMINED: Initiale Vita	ation considered. Draw line through citation if an	t in conformance and not considered. Include copy of this form with
EXAMINEN. INJUSTAL	abon witsidered. Draw line dirough diadon it no	in contomance and not considered. Include copy of this form with
nout communication to	lianst	

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 01194-459001	Application No. 10/830,195	
	closure Statement pplicant	Applicant Buiser et al.		
(Use several si	neets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents							
Examiner	Desig.	Document	Publication				Filing Date
Initial .	ID	Number	Date	Patentee	Class	Subclass	If Appropriate
4418	ABB	4,492,720	01/08/1985	Moiser			
	ACC	4,522,953	06/11/1985	Barby et al			
	ADD	4,542,178	09/17/1985	Zimmermann et al.			
	AEE	4,551,132	11/05/1985	Pasztor et al.			
	AFF	4,551,436	11/05/1985	Johnson et al.			
	AGG	4,573,967	03/04/1986	Hargrove et al.		,	
	АНН	4,622,362	11/11/1986	Rembaum			
	AII	4,623,706	11/18/1986	Timm et al.			•
	AJJ	4,657,756	04/14/1987	Rasor et al.			
	AKK	4,661,137	04/28/1987	Garnier et al.			
	ALL	4,663,358	05/05/1987	Hyon et al.			
	AMM	4,671,954	06/09/1987	Goldberg et al.			
	ANN	4,675,113	06/23/1987	Graves et al.			
,	A00	4,678,814	07/07/1987	Rembaum			•
	APP	4,678,710	07/07/1987	Sakimoto et al.			
	AQQ	4,680,320	07/14/1987	Uku et al.			
	ARR	4,681,119	07/21/1987	Rasor et al.			
	ASS	4,742,086	05/03/1988	Masamizu et al			
	ATT	4,743,507	05/10/1988	Franses et al.			
	AUU	4,772,635	09/20/1988	Mitschker et al.			
	AVV	4,782,097	11/01/1988	Jain et al.			
	AWW	4,789,501	12/06/1988	Day et al.			
	AXX	4,795,741	01/03/1989	Leshchiner et al.	·		
	AYY	4,801,458	01/31/1989	Hidaka et al.			
	AZZ	4,804,366	02/14/1989	Zdeb et al.			
	AAAA	4,819,637	04/11/1989	Dormandy, Jr. et al.			
· W	ABBB	4,822,535	04/18/1989	Ekman et al.			

Examiner Signature	Date Considered 7-19-87
EXAMINER: Initials citation considered. Draw line through next communication to applicant.	citation if not in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 01194-459001	Application No. 10/830,195	
***************************************	closure Statement oplicant	Applicant Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents							
Examin		Document	Publication	0-11		0 1 1	Filing Date
Will	ID	Number 4,833,237	Date 05/23/1989	Patentee Kawamura et al	Class	Subclass	If Appropriate
YV7	ACCC	4,033,237	03/23/1909	Kawamula et al			
1	ADDD		07/25/1989	Dudar et al.			
	AEEE		08/22/1989	Jain et al.			
	AFFF	4,863,972	09/05/1989	Itagaki et al.			
	AGGG	4,929,400	05/29/1990	Rembaum et al.			
	АННА	4,933,372	06/12/1990	Feibush et al			
1.	Alli	4,954,399	09/04/1990	Tani et al			
	AJJJ	4,981,625	01/01/1991	Rhim et al.			
	AKKK	4,990,340	02/05/1991	Hidaka et al.			
	ALLL	4,999,188	03/12/1991	Sloldovnik et al.			
	AMMM	5,007,940	04/16/1991	Berg			
	ANNN	5,011,677	04/30/1991	Day et al.			
	A000	5,032,117	07/16/1991	Motta			
	APPP	5,034,324	07/23/1991	Shinozaki et al.			
	AQQQ	5,047,438	09/10/1991	Feibush et al.			
	ARRR	5,079,274	01/07/1992	Schneider et al.			
	ASSS	5,106,903	04/21/1992	Vanderhoff et al.			
	ATTT	5,114,421	05/19/1992	Polak			
	AUUU	5,116,387	05/26/1992	Berg		-	
	AVVV	5,120,349	06/09/1992	Stewart et al.			
	AWWW	5,125,892	06/30/1992	Drudik			
	AXXX	5,147,631	09/15/1992	Glajch et al.			
	AYYY	5,147,937	09/15/1992	Frazza et al.			
	AZZZ	5,149,543	09/22/1992	Cohen et al.			
	AAAAA	5,158,573	10/27/1992	Berg			
	ABBBB	1 ' ' 1	12/15/1992	Kolber et al.			
	ACCCC	7,171,217	12/15/1992	March et al.			
. V	/				·		

Examiner Signature	Date Considered 2-11-07
EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant.	t in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
Information Disclosure Statement by Applicant		Applicant Buiser et al.		
(Use several st	neets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents							
Examiner	Desig.	Document	Publication	Determine	2	Cubalasa	Filing Date
Mia	ADDDD	Number 5,190,766	Date 03/02/1993	Patentee Ishihara	Class	Subclass	If Appropriate
VVV			04/13/1993	Okada et al.		_=_	
	AEEEE						
	AFFFF	5,216,096	06/01/1993	Hattori et al.			
	AGGGG	5,253,991	10/19/1993	Yokota et al.			
	АНННН	5,260,002	11/09/1993	Wang			
	AIIII	5,262,176	11/16/1993	Palmacci et al.			
	AJJJJ	5,288,763	02/22/1994	Li et al.			
	AKKKK	5,292,814	03/08/1994	Bayer et al.			
	ALLLL	5,302,369	04/12/1994	Day et al.			
	AMMMM	5,314,974	05/24/1994	Ito et al.			
	ANNNN	5,316,774	05/31/1994	Eury et al.			
	A0000	5,344,452	09/06/1994	Lemperle			
	APPPP	5,344,867	09/06/1994	Morgan et al.			
	AQQQQ	5,354,290	10/11/1994	Gross	1.		
	ARRRR	5,369,133	11/29/1994	Ihm et al.			
	ASSSS	5,369,163	11/29/1994	Chiou et al.			
	ATTTT	5,369,710	06/17/1997	Lo et al.			
	AUUUU	5,382,260	01/17/1995	Dormandy, Jr. et al.			
	AVVVV	5,384,124	01/24/1995	Courteille et al.			
	AWWWW	5,397,303	03/14/1995	Sancoff et al.			
	AXXXX	5,398,851	03/21/1995	Sancoff et al.			
	AYYYY	5,403,870	04/04/1995	Gross			
	AZZZZ	5,417,982	05/23/1995	Modi #			
	ΑΑΑΑΑ	5,431,174	07/11/1995	Knute			
	АВВВВВ	5,435,645	07/25/1995	Faccioli et al.			
	ACCCCC	_ / P	10/10/1995	Conston et al.			
	ADDDDD	5,468,801	11/21/1995	Antonelli et al.			

Examiner Signature	M	2	Date Considered 2 /1/0
EXAMINER: Initials cit	ation considered. Draw	line through citation if no	ot in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 01194-459001	Application No. 10/830,195	
1	closure Statement	Applicant Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents							
Examiner	Desig.	Document	Publication				Filing Date
Initial	ID	Number	Date	Patentee	Class	Subclass	If Appropriate
1 1/1/1988	AEEEEE		11/28/1995	Unger et al.			
1	AFFFFF	5,476,472	12/19/1995	Dormandy, Jr. et al.			*
	AGGGG	5,484,584	01/16/1996	Wallace et al.			
	АНННН	5,490,984	02/13/1996	Freed			·
	AIIII	5,494,682	02/27/1996	Cohen et al.			
	AJJJJ	5,494,940	02/27/1996	Unger et al.		<del>,</del>	
	AKKKKK	5,512,604	04/30/1996	Demopolis			
	ALLLLL	5,514,090	07/07/1996	Kriesel et al.			
	AMMMMI	5,525,334	06/11/1996	Ito et al.			
	ANNNN		07/09/1996	Hager et al.			
	A00000	5,541,031	07/30/1996	Yamashita et al.			
	APPPPP	5,542,935	08/06/1996	Unger et al.			
		5,553,741	09/10/1996	Sancoff et al.			
		5,556,610	09/17/1996	Yan et al.		18	
	ASSSSS	5,556,931	09/17/1996	Cercone et al.			
	, ,	5,558,255	09/24/1996	Sancoff et al.			
	AUUUUL	5,558,822	09/24/1996	Gitman et al.			
		5,558,856	09/24/1996	Klaveness et al.			
	wwww	5,559,266	09/24/1996	Klaveness et al.			
	AXXXXX	5,567,415	10/22/1996	Porter			
	ĄÝYYY	5,569,193	10/29/1996	Hofstetter et al.			
	AZZZZZ	5,569,449	10/29/1996	Klaveness et al.			
	AAAAA	5,569,468	10/29/1996	Modi			
	i i	5,571,182	11/05/1996	Ersek et al.			
	ACCCCC	5,580,575	12/03/1996	Unger et al.			
	ADDDDD	5,583,162	12/10/1996	Li et al.			
V	AEEEF	5,885,112	12/17/1996	Unger et al.			
	1//		_				

Examiner Signature //		- Date Consi	dorod	···· - ···
Examiner Signature	/ (	Uale Consi	dered 7	- 19
7~ (				(10)
				11
EXAMINER: Initials citation of	considered. Draw line through	h citation if not in conforma	nce and not consider	ed. Include copy of this form with
next communication to applic				••

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
	losure Statement	Applicant Buiser et al.		
(Use several shi	eets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents							
Examin		Document	Publication				Filing Date
ly it in a	ID.	Number	Date	Patentee	Class	Subclass	If Appropriate
14	AFFFFF		01/21/1997	Hager et al.			
	AGGGGG	5,622,657	04/22/1997	Takada et al.			
	АНННН	5,624,685	04/29/1997	Takahashi et al.			
	AIIIII	5,635,215	06/03/1997	Boschetti et al.			
	AJJJJJ	5,637,087	06/10/1997	O'Neil et al.			
	AKKKKK	5,639,710	07/17/1997	Lo et al.			
	ALLLLL	5,648,095	07/15/1997	Illum et al.			
	ммммм	5,648,100	07/15/1997	Boschetti et al.			
	ANNNNN	5,650,116	07/22/1997	Thompson			,
	400000	5,651,990	01/29/1997	Takada et al.			
	APPPPP	5,653,922	08/05/1997	Li et al.			
	AQQQQQ	5,657,756	08/19/1997	Vrba			
	ARRRRR	5,681,576	10/28/1997	Henry			,
	ASSSSS	5,715,824	02/10/1998	Unger et al.			
	ATTTTT	5,695,480	12/09/1997	Evans et al.			
	AUUUUU	5,695,740	12/09/1997	Porter			
	AVVVVV	5,698,271	12/16/1997	Liberti et al.			
	wwwww		12/30/1997	Porter			
	AXXXXX	5,716,981	02/10/1998	Hunter et al.			
	AYYYYY	5,718,884	02/17/1998	Klaveness et al.			
	AZZZZZZ	5,723,269	03/03/1998	Akagi et al.			
	AAAAA	5,725,534	03/10/1998	Rasmussen			
	ВВВВВВ	5,746,734	05/05/1998	Dormandy, Jr. et al.			•
1	/ cccccc		05/19/1998	Rhee et al.			
	DDDDDD	5,760,097	06/02/1998	Li et al.			
	AEEEEEE	\$,766,147	06/16/1998	Sancoff et al.			
V	AFFFFF	7,770,222	06/23/1998	Unger et al.			
V	. /						

Examiner Signature	Date Considered 2 -/9-07
EXAMINER: Initials ditation considered. Draw line through citation if no next communication to applicant.	It in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office			
	closure Statement	Applicant Buiser et al.		
(Use several si	neets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
JAAR	GGGGG	5,779,668	07/14/1998	Grabenkort		*	
	ннннн	5,785,642	07/28/1998	Wallace et al.			
1	AIIIIIII	5,785,682	07/28/1998	Grabenkort			
	AJJJJJJ	5,792,478	08/11/1998	Lawin et al.			
	KKKKKK	5,795,562	08/18/1998	Klaveness et al.			
	ALLLLLL	5,797,953	08/25/1998	Tekulve			
	i e	5,807,323	09/15/1998	Kriesel et al.			
	NNNNN	5,813,411	09/29/1998	Van Bladel et al.			
·	000000	5,823,198	10/20/1998	Jones et al.			
		5,827,502	10/27/1998	Klaveness et al.			
	QQQQQ	5,827,531	10/27/1998	Morrison et al.			
	RRRRRR	5,830,178	11/03/1998	Jones et al.			
	ASSSSS	5,833,361	11/10/1998	Funk			
	ATTTTTT	5,846,518	12/08/1998	Yan et al.			***************************************
	ບບບບບເ	5,853,752	12/29/1998	Unger et al.			
	vvvvv	5,855,615	01/05/1999	Bley et al.			
	wwww	5,863,957	01/26/1999	Li et al.			
	XXXXX	5,876,372	03/02/1999	Grabenkort et al.			
	YYYYY	5,877,224	03/02/1999	Brocchini et al.			
	AZZZZZZ	5,885,547	03/23/1999	Gray			
	AAAAA	5,885,216	03/29/1999	Evans, III et al.			
	вввввв	5,888,546	03/30/1999	Ji et al.			
	ccccc	5,894,022	04/13/1999	Ji et al.			
	DDDDDD	5,899,877	04/04/1999	Leibitzki et al.			
	EEEEEE		04/06/1999	Irie			
	AFFFFFF	5,895,411	04/20/1999	Irie			
V	GGGGG	5,9(2,832	05/11/1999	Van Bladel et al.			

Examiner Signature	Date Considered Z 19-67
EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant.	it in conformance and not considered. Include copy of this form with
	Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
	closure Statement pplicant	Applicant Buiser et al.		
(Use several sheets if necessary)		Filing Date April 22, 2004	Group Art Unit	

U.S. Patent Documents									
Examiner	Desig.	Document	Publication		01		Filing Date		
In tiel	ID	Number	Date	Patentee	Class	Subclass	If Appropriate		
1470	ннннн		07/13/1999	Hubbard					
X	AIIIIIII	5,922,304	07/13/1999	Unger					
	AJJJJJJJ	5,928,626	07/27/1999	Klaveness et al.					
	KKKKKK	5,935,553	08/10/1999	Unger et al.					
	LLLLLLI	5,951,160	09/14/1999	Ronk ·					
	MMMMM		09/28/1999	Sutton et al.					
	מממממא	5,959,073	09/28/1999	Schlameus et al.			·		
	00000	6,003,566	12/21/1999	Thibault et al.					
	APPPPPPP	6,015,546	01/18/2000	Sutton et al.					
	QQQQQ	6,027,472	02/22/2000	Kriesel et al.					
	RRRRRRI	6,028,066	02/22/2000	Unger					
	ASSSSSS	6,047,861	04/11/2000	Vidal et al.					
	TTTTTT	6,051,247	04/18/2000	Hench et al.					
	บบบบบบ	6,059,766	05/09/2000	Greff					
	vvvvv		05/16/2000	Fowles et al.			·		
	wwww	6,071,495	06/06/2000	Unger et al.		,			
	XXXXX	6,071,497	06/06/2000	Steiner et al.					
	YYYYYY	6,073,759	06/13/2000	Lamborne et al.					
	ZZZZZZ	6,090,925	07/18/2000	Woiszwillo et al.					
	AAAAA	6,096,344	08/01/2000	Liu et al.					
	вввввв		08/07/2000	Lund					
	ccccc	6,099,864	08/08/2000	Morrison et al.					
	DDDDDD		08/08/2000	Li et al.					
	EEEEEEE	6,139,963	10/31/2000	Fujii et al.					
	FFFFFFF	6,149,623	11/21/2000	Reynolds					
	GGGGG	6,162,377	12/19/2000	Ghosh et al.					
	ннннн	6,165,193	12/26/2000	Greene, Jr. et al.					

Examiner Signature		Date Considered	- 46
ん			21107
EXAMINER: Initials citation cons next communication to applicant.	dered. Draw line through citation	if not in conformance an	d not considered. Include copy of this form with
Tiext communication to approxima		-	Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Altomey's Docket No. 01194-459001	Application No. 10/830,195	
	closure Statement	Applicant Buiser et al.		
(Use several sheets if necessary)		Filing Date April 22, 2004	Group Art Unit 1742	

U.S. Patent Documents							
Examiner	Desig.	Document	Publication				Filing Date
Ini/la	ID	Number 6,191,193 B1	Date 02/20/2001	Patentee Lee et al.	Class	Subclass	If Appropriate
7779	AIIIIIIII						
1	AJJJJJJ.	6,214,331 B1	04/10/2001	Vanderhoff et al.			
	KKKKKK	6,224,794 B1	05/01/2001	Amsden et al.			
	LLLLLLL	6,224,630	05/01/2001	Bao et al.			
	имммми	6,235,224 B1	05/22/2001	Mathiowitz et al.			
	ииииии	6,238,403 B1	05/29/2001	Greene, Jr. et al.			
7	000000	6,258,338	07/10/2001	Gray			
	PPPPPPP	6,261,585 B1	07/17/2001	Sefton et al.			
	QQQQQQ	6,264,861 B1	07/24/2001	Tavernier et al.		A	
	RRRRRR	6,267,154 B1	07/31/2001	Felicelli et al.			
	sssssss	6,268,053 B1	07/31/2001	Woiszwillo et al.			
,	TTTTTT		08/21/2001	Klein			
·	บบบบบน	2001/0016210 A1	08/23/2001	Mathiowitz et al.			
	vvvvv	6,291,605 B1	09/18/2001	Freeman et al.			
	wwww	6,306,427	10/23/01	Annonier et al.			
	XXXXXX	6,306,418 B1	10/23/2001	Bley			
	YYYYY	2001/0001835	05/24/2001	Greene, Jr. et al.			
	ZZZZZZZ	2001/0036451 A1	11/01/2001	Goupil et al.			
	AAAAA	6,315,709	11/13/201	Garibaldi et al.			
	вввввы	2001/0051670 A1	12/13/2001	Goupil et al.			
	ccccc	6,335,384 B1	01/01/2002	Evans et al.			
	DDDDDD	6,344,182 B1	02/05/2002	Sutton et al.			
/	EEEEEEE	6,394,965 B1	05/28/2002	Klein	1		
	FFFFFFF	6,423,332 B1	07/23/2002	Huxel et al.			
	GGGGG	6,432,437 B1	08/13/2002	Hubbard			<u> </u>
	ннннн	6,602,524 B2	08/05/2003	Batich et al.			
	AIIIII	6,680,046	01/20/2004	Boschetti			

Examiner Signature

Date Considered

2-(9-07
EXAMINER: fillulal entation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next compenication to applicant.

Substitute Disclosure Form (PTO-1449)

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 01194-459001	Application No. 10/830,195
	closure Statement pplicant	Applicant Buiser et al.	
(Use several sheets if necessary) (37 CFR \$1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742

	U.S. Patent Documents								
Examiner hitial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate		
AA	<b>2</b> 011111111	H915 (US Statutory Invention Registration)	05/07/1991	Gibbs					

xaminer	Desig.	Document	Publication	Country or			Tran	slation
Hitial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
(H)	KKKKKK	0 422 258 A1	10/1989	Europe (Abstract)			Х	
<del>/</del> //.	LLLLLI	0 422 258 A1	10/1989	Europe				X
140	МММММ	0 402 031	05/1990	Europe				
$\overrightarrow{1}$	מממממי	0 470 569 A1	02/1992	Europe				
1	00000	0 547 530 B1	06/1993	Еигоре				
	PPPPPPP	0 600 529A	12/1993	Europe				
	२०००००	0 623 012 B1	11/1994	Europe				
	RRRRRR	0 706 376 B1	04/1996	Europe				
	SSSSSSS	EP 0 730 847 A1	09/1996	Europe				
	777777	0 744 940 B1	12/1996	Europe				
	บบบบบบ	0 797 988 A2	10/1997	Europe				
	VVVVV	DE 94 14 868.6	02/1995	Germany				х
9VA	₩www	DE 94 14 868.6	02/1995	Germany (abstract)			x	
	XXXXXX	DE 100 26 620 A 1	03/2002	Germany				x
XHL	<b>?</b> YYYYY	DE 100 26 620 A 1	03/2002	Germany (abstract)			Х	
TANKS	ZZZZZZZ	4-74117	03/1992	Japan (abstract)			Х	
	<del>^</del> ^^^^	4-74117	03/1992	Japan (full)				_ X
NAD	вввввв	6-57012	03/1994	Japan (abstract)			х	
	ccccc	6-57012	03/1994	Japan (full)	1			X
AA3	DDDDDI	9-1/0678	04/1997	Japan (abstract)	1		Х	
	EEEEEE	9-110678	04/1997	Japan (full)				х
aminer Sign	ature	1	2	Date Considered 2	/9	~ OF	Σ	

1)

Substitute Form PTO-1449 (Modified)			Application No. 10/830,195
	closure Statement oplicant	Applicant Buiser et al.	
(Use several sh	eets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742

Foreign Patent Documents or Published Foreign					Patent A	<b>Application</b>				
Ì	Examin		Desig.	Document	Publication	Country or				lation
	ا Initial		ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	Att	51	FFFFFFF	9-316271	12/1997	Japan (abstract)			Х	
			GGGGG		12/1997	Japan (full)				X
	75/30	5	ннннн	L	05/1998	Japan (abstract)		•	Х	
	-	_	AHHHHH	10-130329	05/1998	Japan (full)				Х
9	plas		AJJJJJJJJ.	(abstract only)	01/2002	Japan			Х	
	S/A	45	KKKKKK	59-196738	11/1984	Japan (abstract)			Х	
			LLLLLL	59-196738	11/1984	Japan (full)				X
	MX	5	иммммі	62-45637	02/1987	Japan (abstract)			. X	
			חמממממ	62-45637	02/1987	Japan (full)				Х
Ì	4/1	5	000000	WO 00/23054	04/2000	WIPO				
	1		PPPPPP	WO 00/40259	07/2000	WIPO				
		ï	ପ୍ରପଦ୍ନପଦ୍		11/2000	WIPO				
			RRRRRR	WO 00/74633 A2	12/2000	WIPO				
ĺ			SSSSSSS	WO03/082359	09/2003	WIPO				
			TTTTTT	WO 02/43580 A2	06/2002	WIPO				
			υυυτυι	WO 02/11696 A2	02/2002	WIPO				
			VVVVV	WO 01/70291 A2	09/2001	WIPO				
			/www	WO 01/76845 A1	10/2001	WIPO				
			XXXXX	WO 92/21327	12/1992	WIPO				
		[]	YYYYY	WO 93/19702	10/1993	WIPO				
	_1		zzzzzz	WO 94/10936	05/1994	WIPO				
			AAAAA	WO 95/03036	02/1995	WIPO				
			вввввв	WO 95/22318	08/1995	WIPO				
L			ccccc		12/1996	WIPO				
		1/	DDDDD	WO 96/37165	11/1996	WIPO				
		•								

Examiner Signature Date Considered EXAMINER: Initials diation considered. Drawline through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Ţi

1-1

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 U.S. Department of Commerce (Modified) Patent and Trademark Office		Attorney's Docket No. Application No. 1194-459001 10/830,195		
	closure Statement	Applicant Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

	Foreign Patent Documents or Published Foreign Patent Applications								
Exa	miner	Desig.	Document	Publication	Country or			Trans	lation
J#	Van_	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
N	41	EEEEEEI	WO 98/04616	02/1998	WIPO		-	_	
	1/	FFFFFFF	WO 98/10798	03/1998	WIPO				
		GGGGG	WO98/47532	10/1998	WIPO				
		ннннн	WO 99/12577	03/1999	WIPO				
		AIIIIIIIII	WO 99/43380	09/1999	WIPO				
	/	וונונונונו	WO 99/57176	11/1999	WIPO				
1	7	KKKKKK	WO 02/34298	05/2002	WIPO				
		LLLLLLI	WO 02/34299	05/2002	WIPO				
$\square V$		ммммм	WO 02/34300	05/2002	WIPO				
U									

	Other D	ocuments (include Author, Title, Date, and Place of Publication)				
Examiner Desig.						
Initial	ID	Document				
		"Pulmonary artery pseudoaneurysm/aneurysm"				
AHA	ииииии	Available Web Site:				
Y/VIN Z		http://www.mamc.amedd.army.mil/williams/chest/vascular/paaneurysm/paaneyrysm.htm				
	00000	Bachtsi, A.R. et al., "An Experimental Investigation of Enzyme Release from Poly(vinyl alcohol)				
	50000	crosslinked Microspheres", J. Microencapsulation, Vol. 12, No. 1, pp. 23-35; 1995.				
	PPPPPPP	Barr, J.D., et al., "Polyvinyl Alcohol Foam Particles Sizes and Concentrations Injectable through				
	1111111	Microcatheters'', JVIR, Vol. 9, No. 1, pp. 113-118; 1998.				
	QQQQQ	Barton, P. et al., "Embolization f Bone Metastases", Journal of Vascular and Interventional				
	44444	Radiology, Vol. 7, No. 1, Jan-Feb. 1990, p. 81-88				
1 1		Beaujeux, R. et al., "Trisacryl Gelatin Microspheres for Therapeutic Embolization, II: Prelim				
1 1	RRRRRR	Clinical Evaluation in Tumors and Arteriovenous Malformations," AJNR Am. J. Neuroradiol.				
		17:541-548, March 1996				
		Barttinelli, L. et al., "New Class of Poly(vinyl alcohol) Polymrs as Column-Chromatography				
1 1	ESSSSSS					
		No. 1, pp. 47-55; 1996. Abstract. http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?				
11 /	h	Berenstein, A. et al., "Catheter and Material Selection for Transarterial Embolization: Technical				
	1	Considerations. II. Materials.", Radiology, Vol. 132, No. 3, pp. 631-639; 1979.				
11/1/	1	Berenstein, A. et al., "Microembolization Techniques of Vascular Occlusion: Radiologic,				
1.411	խոռոռով					
W		Abstract, http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?				
1 14		Bruix, J. et al., "Transarterial Embolization Versus Symptomatic Treatment in Patients With				
\	VVVVVV	Advanced Hepatocellular Carcinoma: Results of a Randomized, Controlled Trial in a Single				
l V	[ ' ' ' '	Institution', Hepatology, June 1998, Vol. 27, No. 6, pp. 15/8-1583				
Available/Web Site: http://www.hepatitis-central.com/hcv/hcc/embolization/references.html						

		//	<u> </u>	<u> </u>
Examiner Signature			$\neg$	Date Considered - 19
$\searrow$	$\mathcal{A}$		$\mathcal{V}$	01107
<b>EXAMINER:</b> Initials citation	conside	red. Draw line thro	igh c	itation if not in conformance and not considered. Include copy of this form with
next communication to appli				
				Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 01194-459001	Application No. 10/830,195	
	losure Statement plicant	Applicant Buiser et al.		
(Use several shot) (37 CFR §1.98(b))	eets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

	Other D	ocuments (include Author, Title, Date, and Place of Publication)			
Examiner Desig.					
Initial	ID	Document  Buhle, Jr. EL, "Re: Re: Hepatic Arterial Embolization", UCLA Medicine Online			
1000	wwww	Available Web Site: http://www.meds.com/archive/mol-cancer/1996/msg00128.html			
XX	xxxxx	Burczak, et al., "Long-term in vivo performance and biocompatibility of poly (vinyl alcohol) hydrogel macrocapsules for hybrid-type artificial pancreas", Biomaterials, Vol. 17, No. 24, pp. 2351-2356, 1996, abs: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=89824">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=89824</a> , pp. 1, 2002.			
	YYYYYY	Burczak, et al., "Polymeric materials for biomedical purposes obtained by radiation methods. V. hybrid artificial pancreas", Polim Med, Vol. 24, No. 1-2, pp. 45-55, 1994, abs: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db</a> = PubMed&list_uids=7915, pp. 1, 2002.			
	ZZZZZZZ	Choe, et al., "An experimental study of embolic effect according to infusion rate and concentration			
	Chuang et al., "Experimental Canine Hepatic Artery Embolization with Polyvinyl Alcohol Foam Particles", Departments of Diagnostic Radiology and Veterinary Medicine, The University of Texas, M.D. Anderson Hospital and Tumor Institute at Houston, Texas, pp. 21-25, October 1982				
	вввввв	Clarian Health Methodist - Indiana Lions Gamma Knife Center, "Arteriovenous Malformation"  Available Web Site: <a href="http://www.clarian.com/tyhealth/gammaknife/cond_arter.asp">http://www.clarian.com/tyhealth/gammaknife/cond_arter.asp</a>			
	ccccc	Colombo M, "Treatment of Hepatocellular Carcinoma", University of Milan, Inst Internal Med, Irccs Maggiore Res Unit Liver, Canc, Firc, Via Pace 9 1-20122 Milan, Italy Source: Journal of Viral Hepatitis, 1997;4:125-130  Available Web Site: <a href="http://home.texoma.net/~moreland/stats/hcc-9.html">http://home.texoma.net/~moreland/stats/hcc-9.html</a>			
	DDDDDI	Derdeyn, et al., "Collagen-coated acrylic microspheres for embolotherapy: in vivo and in vitro characteristics", American Journal of Neuroradiology, Vol. 18, No.4, pp. 647-653, 1997, abs: <a entrez="" href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=" http:="" query.fcgi?cmd='retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.ni&lt;/td' www.ncbi.nlm.nih.gov=""></a>			
	EEEEEEE	Derdeyn, et al., "Polyvinyl alcohol particle size and suspension characteristics", American Journal of Neuroradiology, Vol. 16, pp. 1335-1343, 1995.			
	DiLuccio et al., "Sustained-Release Oral Delivery of Theophylline by Use of Polyvinyl Alcohol and Polyvinyl Alcohol-Methyl Acrylate Polymers", Journal of Pharmaceutical Sciences, January 1994, Vol. 83, No. 1, pp. 104-106				
	Gander, et al., "Effect of polymeric network structure on drug release from cross-linked poly(vinyl alcohol) micromatrices", Pharm Res, Vol. 6, No. 7, pp. 578-584, 1989, abs:  http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&db= PubMed&list_uids=25080, pp. 1, 2002.				
	нинин	Germano, et al., "Histopathological follow-up study of 66 cerebral arteriovenous malformations after therapeutic embolization with polyvinyl alcohol", J Neurosurg, Vol. 76, No. 4, pp. 607-614, 1992, abs: <a entrez="" href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=" http:="" query.fcgi?cmd='retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http:/&lt;/td' www.ncbi.nlm.nih.gov=""></a>			
Geschwind et al., "Chemoembolization of Liver Tumor in a Rabbit Model: Assessment of Tumor in a					
Examiner Signa	ature	Date Considered 1.6			

		V-19-07
EXAMINER: Initials ditation considered. Draw ling t	hrough citation if no	t in conformance and not considered. Include copy of this form with
next communication to applicant.		
		Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 01194-459001	Application No. 10/830,195	
	closure Statement	Applicant Buiser et al.		
(Use several sh	eets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

	Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner Desig.		Document -					
AAK	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Gohel, et al., "Formulation design and optimization of modified-release microspheres of diclofenac					
KKKKK Goodwin, et al., "Overview of embolic agents and their indications", Eleventh Annual In Symposium on Endovascular Therapy, pp. 303-306, 1999.							
	LLLLLLL	Goodwin, et al., "Preliminary experience with uterine artery embolization for uterine fibroids", Journal of Vascular and Interventional Radiology, Vol. 8, No. 4, pp. 517-526, 1997.					
	иммми	Grandfils, et al., "Preparation of poly (D,L) lactide microspheres by emulsion solvent evaporation, and their clinical implications as a convenient embolic material", J Biomed Mater Res, Vol. 26, No. 4, pp. 467-479, 1992, abs: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=1601900&amp;dopt=Abs">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=1601900&amp;dopt=Abs</a> , pp. 1, 2002.					
	NNNNN	Hamada, et al., "Embolization with cellulose porous beads, II: Clinical Trial", abs: http://www.ajnr.org/content/abstract/17/10/1901?ijkey=R.a2vRMiet1Xw, pp. 1-2, 2002.					
	000000	Horak, et al., "Hydrogels in endovascular embolization. I. Spherical particles of poly (2-hydroxyethyl methacrylate) and their medico-biological properties", Biomaterials, Vol. 6, 1985					
	PPPPPPP	Horak, et al., "Hydrogels in endovascular embolization. II. Clinical use of spherical particles", Biomaterials, Vol. 7, 1986.					
	QQQQQQ	Huang, et al., "Percutaneous endovascular embolization of intracerebral arteriovenous malformations. Experience in 72 cases", Chin Med J, Vol. 108, no. 6, pp. 413-419, 1995, abs: <a entrez="" href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=" http:="" query.fcgi?cmd='retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db="http://www.ncbi.nlm.nih.gov/ent&lt;/th' www.ncbi.nlm.nih.gov=""></a>					
	RRRRRR	International Search Report for International Application No. PCT/US01/06981 (2 pages)					
	SSSSSSS	PubMed&list_uids=37712, pp. 1, 2002.					
	17 <b>7777</b> 7	Jiaqi, Y. et al., "A New Embolic Material: Super Absorbent Polymer (SAP) Microsphere and Its Embolic Effects," Nippon Acta Radiologica 1996 (56): 19-24					
	บบบบบเ	Joy C, et al., 1991, "Use of Preoperative Embolization in the Treatment of Vascular Metastatic Lesions of the Spine"  Available Web Site: <a href="http://www.aaos.org/wordhtml/anmeet91/scipro/ppr472.htm">http://www.aaos.org/wordhtml/anmeet91/scipro/ppr472.htm</a>					
	yvvvv	Kai, et al., "The utility of the microcrystalline cellulose sphere as a particulate embolic agent: an experimental study", <i>American Journal of Radiology</i> , Vol. 21, No. 6, pp. 1160-1163, 2000, or <a href="http://www.ajnr.org/cgi/content/full/21/6/1160">http://www.ajnr.org/cgi/content/full/21/6/1160</a> , pp. 1-7, 2002.					
	www	Kan, et al., "In vivo microscopy of the liver after injection of lipiodol into the hepatic artery and portal vein in the rat", Acta Radiologica, Vol. 30, pp. 419-425, 1989.					
$\parallel \mid / \mid$	XXXXX	Kerber et al., "Polyvinyl Alcohol Foam: Prepackaged Emboli for Therapeutic Embolization", American Journal Roentgenol, June 1978, Vol. 130, pp. 1193-1194					
		Kerber, "Flow-Controlled Therapeutic Embolization: A Physiologic and Safe Technique", AJR, March 1980, Vol. 134, pp. 557-561					
\\	. //						

Exampler Signature		Date Considered	
74		2-19-0	7
EXAMINER: Initial citation next communication to appli	considered. Draw life through citation cant.	if not in conformance and not considered. Inclu	de copy of this form with
		Substitute I	Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
	losure Statement	Applicant Buiser et al.		
	ets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

	Other D	ocuments (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.					
Initial	ID	Document  Kim, et al., "Composite poly(vinyl alcohol) beads for controlled drug delivery", Pharm Res, Vol. 9.				
	ZZZZZZZ					
MALK	RULLLL	No. 1, pp. 10-10, 1992, aos: <u>nup://www.ncor.num.nm.gov/entres/</u> query.jcgt?cma=retrieve&ab=   PubMed&list_uids=1589392&dopt=Abs, pp. 1, 2002.				
W W V	1	Kurata, et al., "Preoperative embolization for meningiomas using PVA particles", No Shinkei Geka,				
<i> </i>		Vol. 20, No. 4, pp. 367-373, 1992, abs.				
1	AAAAA	http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&db=				
		PubMed&list_uids=1570057&dopt=Abs, pp. 1, 2002.				
		Kurosaki et al., "Evaluation of PVA-Gel Spheres as GI-Transit Time Controlling Oral Drug				
	BBBBBB	Delivery System", Proceedings of the 19th International Symposium on Controlled Release of				
		Bioactive Materials, July 26-31, 1992, Orlando, Florida, pp. 273-274				
		Kusano, et al., "Low-dose particulate polyvinylalcohol embolization in massive small artery				
1 1	cccccc	intenstinal hemorrahage. Experimental and clinical results", Invest Radiol, Vol. 22, No. 5, pp. 388-				
		392, 1987, abs: <a entrez="" href="http://www.ncbi.nlm.nln.gov/entrez/query.jcgl?cmd=retrieve&amp;ab=" http:="" query.jcgl?cmd='retrieve&amp;ab="http://www.ncbi.nlm.nln.gov/entrez/query.jcgl?cmd=retrieve&amp;ab="http://www.ncbi.nlm.nln.gov/entrez/query.jcgl?cmd=retrieve&amp;ab="http://www.ncbi.nlm.nln.gov/entrez/query.jcgl?cmd=retrieve&amp;ab="http://www.ncbi.nlm.nln.gov/entrez/query.jcgl?cmd=retrieve&amp;ab="http://www.ncbi.nlm.nln.gov/entrez/query.jcgl?cmd=retrieve&amp;ab="http://www.ncbi.nlm.nln.gov/entrez/query.jcgl?cmd=retrieve&amp;ab="http://www.ncbi.nlm.nln.gov/entrez/query.jcgl?cmd=retrieve&amp;ab="http://www.ncbi.nlm.nln.gov/entrez/query.jcgl?cmd=retrieve&amp;ab="http://www.ncbi.nlm.gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/entrez/gov/&lt;/td' www.ncbi.nlm.nln.gov=""></a>				
		PubMed&list_uids=34963, pp. 1, 2002.				
	DDDDDD	Labarre et al., "Complement activation by substituted polyacrylamide hydrogels for embolisation				
<del></del>		and implantation", Biomaterials, Vol. 23, pp. 2319-2327, 2002				
	CEEEEE	Lammer, et al., "Transcatheteral embolization with polyvinyl alcohol—technic and experimental studies", Rontgenblatter, Vol. 36, No. 1, pp. 10-14, 1983, abs: http://www.ncbi.nlm.nih.gov/entrez/				
1 1	LEEEEEE	query.fcgi?cmd=retrieve&db=PubMed&list_uids=6823530&dop=Abs, pp. 1, 2002.				
<del>-  </del>	<u> </u>	T 1 (D -1 -1 -1 P P -1 -1 -1 - CYF - 1 1 Y -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1				
	FFFFFFF	Neck, and Spine", Radiology, June 1979, Vol. 131, pp. 669-679				
	t	Leung et al., "Determinants of Postembolization Syndrome after Hepatic Chemoembolization",				
1 1	pegege	Journal of Vascular and Interventional Radiology, March 2001, Vol 12, No. 3, pp. 320-326				
	**********	Markoff, et al., "Uterine arteriovenous malformation successfully embolized with a liquid polymer,				
L \	нннннн	isobutyl 2-cyanoacrylate", pp. 659-660, 1999.				
	111111111111	Markus, H.S., "Experimental Aspects of High-Intensity Transient Signals in the Detection of				
	VIIIIIIIIII	Emboli," J Clin Ultrasound 23:81-87 (1995)				
1		Matsumaru, et al., "Embolic materials for endovascular treatment of cerebral lesions", J Biomater				
		Sci Polym Ed, Vol. 8, No. 7, pp. 555-569, 1997, abs: http://www.ncbi.nlm.nih.gov/entrez/				
<b> </b>	ļ	query.fcgi?cmd=retrieve&db=PubMed&list_uids=91953, pp. 1, 2002.				
	KKKKKK	Mavligit, G. et al., "Gastrointestinal Leiomyosarcoma Metastatic to the Liver, "Cancer, Vol. 75, No.				
<del>                                     </del>	<del> </del>	8, April 15, 1995, pp. 2083-2088  Mid-America Interventional Radiological Society, "New Treatment for Uterine Fibroids Avoids				
	LLLLLLI	Surgery" New Treatment for Oterine Floroids Avoids				
		Available Web Site: http://www.mirs.org/fibroids.htm				
<del>   -</del>	1/	Nakabayashi, et al., "Evaluation of particulate embolic materials with MR imaging, scanning				
	/	electron microscopy, and phase-contrast microscopy", American Journal of Neuroradiology, Vol.				
1 11.	MMMMM	18, No. 3, pp. 485-491, 1997, abs:				
. W		http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&db=				
PubMed&list_uids=909004, pp. 1, 2002.						
Nakstad, et al., "Embolization of intracranial arteriovenous malformations and fistulas with						
\\ A	MUNNN	polyvinyl alcohol particles nad platinum fibre coils", Neuroradiology, Vol. 34, No. 4, pp. 348-351,				
	4/	\$\forall 92, abs: http://www.nchi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&db=				
Y <sup>a</sup>	*	HubMed&list \u00e4uids=15284, pp. 1, 2002.				
Examiner Sign	aturit / /	Date Considered				
	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	Date Considered 2-11-07				
EXAMINER: I	nitials citation	i considered. Draw into direction if not in conformance and not considered, include copy of this form with				
next communic	cation to appl	icant.				

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
	closure Statement	Applicant . Buiser et al.		
(Use several sh	eets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Desig.		
Initial	ID	Document "Notification for the state of the
A	00000	http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&db=PubMed&list_uids=92860, pp. 1, 2002.
	PPPPPPP	Nikishin LF et al., 1999, "Interventional radiology in diffuse toxic goiter", European Congress of Radiology – ECR 1999  Available Web Site: http://www.ecr.org/conferences/ecr1999/sciprg/abs/p090041.htm
	२०००००	Imaging, vol. 2, pp. 07-77, 1980.
	RRRRRRI	Oregon Health Sciences University, "Fibroid Embolization"  Available Web Site: http://www.uhmc.edu/dotter-fibroid
	sssssss	Ottrasouna in Medicine and Biology, Vol. 13, No. 9, pp. 555-566, 1987.
	TTTTT	Pesant A.C. et al., 1997, "Dural fistulas involving the cavernous sinus: Treatment by embolization -
	บบบบบบ	Physicians' Desk Reference Family Guide to Women's Health, "Chapter 7 – Common Disorders of the Reproductive System"  Available Web Site: <a href="http://www.healthsquare.com/pdrfg/wh/chapters/wh1ch01.htm">http://www.healthsquare.com/pdrfg/wh/chapters/wh1ch01.htm</a>
	vvvvv	Pritchard, et al., "Poly(Vinyl Alcohol): Basic Properties and Uses", London, England: Gordon and Breach Science Publishers.
	wwww	Pryor J and Berenstein A., "Epistaxis (Nose-bleeds)"  Available Web Site: <a href="http://www.wehealny.org/inn/Radiology/nosebleeds.html">http://www.wehealny.org/inn/Radiology/nosebleeds.html</a>
	xxxxx	Purdy, et al., "Arteriovenous malformations of the brain: choosing embolic materials to enhance safety and ease of excision", <i>J Neurosurg</i> , Vol. 77, No. 2, pp. 217-222, 1992, abs: <a href="http://www.ncbi.nlm.nih.gov/entrez/">http://www.ncbi.nlm.nih.gov/entrez/</a> query.fcgi?cmd=retrieve&db=PubMed&list uids=16250, pp. 1, 2002.
	YYYYYY	Quisling, et al., "Histopathology analysis of intraarterial polyvinyl alcohol microemboli in rat cerebral cortex", American Journal of Neuroradiology, Vol. 5, pp. 101-104, 1984.
	ZZZZZZZ	Rajan et al., "Sarcomas Metastatic to the Liver: Response and Survial after Cisplatin, Doxorubicin, Mitomycin-C, Ethiodol, and Polyvinyl Alcohol Chemoembolization", Journal of Vascular and Interventional Radiology, February 2001, Vol. 12, No. 2, pp. 187-193
$\Lambda I I$	ΑΑΑΑΑ	Ramos, et al., "Tumor vascular signals in renal masses: detection with Doppler US", Radiology, Vol. 168, No. 3, pp. 633-637, 1988.
	вввввв	Repa, I. et al., "Mortalities Associated with Use of a Commercial Suspension of Polyvinyl Alcohol", Radiology 1989; 170:395-399
	cccccc	Rump, A. et al., "Pharmacokinetics of Intraarterial Mitomycin C in the Chemoembolisation Treatment of Liver Metastases", Gen. Pharmac. Vol. 27, No. 4, pp. 669-671, 1996
V	DDDDDI	Schwarz, K.Q., "The Acoustic Filter: An Ultrasonic Blood Filter for the Heart-Lung Machine," J Thoracic and Cardiovascular Surgery 104(6):1647-1653 (1992)

Examiner Signature

Date Considered

2-19-6

EXAMINER: Initials disting considered. Draw line brough citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
Information Disclo	•	Applicant Buiser et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 22, 2004	Group Art Unit 1742	

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Mitial	Desig. ID	Document
XX	EEEEEEE	Shafik, A., "Intraesophageal Polytef injection for the treatment of reflux esophagitis", Department of
	FFFFFFF	Spickler, et al., "The MR appearance of endovascular embolic agents in vitro with clinical correlation", Comput Med Imaging Graph, Vol. 14, No. 6, pp. 415-423, 1990, abs: <a href="http://www.ncbi.nlm.nih.gov/entrez/">http://www.ncbi.nlm.nih.gov/entrez/</a> query.fcgi?cmd=retrieve&db=PubMed&list_uids=21487, pp. 1, 2002.
	GGGGGG	Available Web Site: http://www.dml.georgetown.edu/fibroids
	ннннн	Aftery in Pigs, Invest. Radiol. 1984; 19:179-183
	111111111111	Strunk, et al., "Treatment of congenital coronary arteriovenous malformations with microparticle
	111111111111111111111111111111111111111	Swanson DA et al., 1980, "The role of embolization and nephrectomy in the treatment of metastatic
	KKKKKK	Tabata et al. "Tumor accumulation of noly(vinyl alcohol) of different sizes after intravenous
	LLLLLLL	Tadavarthy et al., "Polyvinyl Alcohol (Ivalon) as an Embolizing Agent", The American Journal of Roentgenology Radium Therapy and Nuclear Medicine, November 1975, Vol. 125, No. 3, pp. 609-616
	иммми	Tadavarthy et al., "Polyvinyl Alcohol (Ivalon) as an Embolizing Agent", Seminars in Interventional Radiology, Vol. 1, No. 2, Department of Radiology, University of Minnesota Hospitals, Minneapolis, Minnesota, June 1984, pp. 101-109
	иииии	Tao, et al., "Study of microspheres for embolization of the hepatic artery", Yao Xue Xue Bao, Vol. 23, No. 1, pp. 55-60, 1988, abs: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=3400477&amp;dop=A">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=3400477&amp;dop=A</a> , pp. 1, 2002.
	000000	Sinica Vol. 23, No. 1, pp. 55-60; 1988. Translation.
	РРРРРР	Terada, et al., "Preoperative embolization of meningiomas fed by ophthalmic branch arteries", Surg Neurol, Vol. 45, No. 2, pp. 161-166, 1996, abs: <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=86070">http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=86070</a> , pp. 1, 2002.
	QQQQQ	Thanoo, et al., "Controlled release of oral drugs from cross-linked polyvinyl alcohol microspheres", J Pharm Pharmacol, Vol. 45, No. 1, pp. 16-20, 1993, abs: <a href="http://www.ncbi.nlnn.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=8094438&amp;dop=Abs">http://www.ncbi.nlnn.nih.gov/entrez/query.fcgi?cmd=retrieve&amp;db=PubMed&amp;list_uids=8094438&amp;dop=Abs</a> , pp. 1, 2002.
	KRRRRR	Thanoo, et al., "Preparation and Properties of Barium Sulphate and Methyl Iothalamate Loaded Poly(vinyl Alcohol) Microspheres as Radiopaque Particulate Emboli", Journal of Applied Bigmaterials, Vol. 2, 67-72 (1991)

	$H_{-}$					
Examiner Signature	1/ 1		Date Considered	^		
	$/\!\!/$		1	1/1	a 27-	
_	7 U			$\nu$	9-0-	
EXAMINER: Initials cit	tion c	insidered. Draw line through citati	on if not in conformance an	d not consid	ered. Include copy of this	s form with
next communication to a						

Substitute Form PTO-1449 (Modified)				
	closure Statement	Applicant Buiser et al.		
	eets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

	Other D	ocuments (include Author, Title, Date, and Place of Publication)	
Examiner Desig.		·	
Initial ID		Document	
1/11/2		Thanoo, et al., "Tantalum loaded silicone micropsheres as particulate emboli", J Microencapsul,	
I Muss	sssssss	Vol. 8, No. 1, pp. 95-101, 1991, abs:	
14/		http://www.ncbi.nlm.nil.gov/entrez/query.fcgi?cmd=retrieve&db=	
<del>/                                    </del>	<u> </u>	PubMed&list_uids=1880697&dop=Abs, pp. 1, 2002.	
1 I'	TTTTTT	The Fibroid Embolization Center of the New York United Hospital Medical Center, "Fibroid Facts"	
}	ļ	Available Web Site: http://www.uhmc.com/fibro2.htm The Vanderbilt-Ingram Cancer Center, "Kidney Cancer."	
1 1	וטטטטטטן	Available Web Site: http://www.mc.Vanderbilt.Edu/cancer/cancerinfo/kidney.html	
<del></del>		Tikkakoski, et al., "Preoperative embolization in the management of neck paragangliomas",	
I = I	VVVVV	Laryngoscope, Vol. 107, pp. 821-826, 1997.	
<del></del>		Touho, et al., "Intravascular treatment of spinal arteriovenous malformations using a	
1		microcatheter—with special reference to serial xylocaine tests and intravascular pressure	
1 1	wwww	monitoring", Surgical Neurology, Vol. 42, No. 2, pp. 148-156. 1994, abs:	
}		http://www.ncbi.nlin.nih.gov/entrez/	
1		query.fcgi?cmd=retrieve&db=PubMed&list_uids=80912, pp. 1, 2002.	
		LICI A Radiological Sciences "A summary of terms appearing in this text"	
	XXXXX	Available Web Site: http://www.radsci.ucla.edu:8000/aneurysm/terms.html	
		University Medical Center SUNY Stony Brook, Department of Urology, "Variococele and its	
	22222	treatment "	
	YYYYY	Available Web Site:	
		http://www.hsc.sunysb.edu/urology/male_infvariocoele_and_its_treatment.html	
		Vivas S et al., "Arterioportal fistula and hemobilia in a patient with hepatic transplant",	
	ZZZZZZ		
		Available Web Site: http://www.doyma.es/copiani/revistas/gastro/abstr/abs_p080.html	
	AAAAA	Vogel F, "Nonsurgical Management of Uterine Fibroids"	
	dudidi	Available Web Site: http://www.holyname.org/brochure/fibroids.html	
1 1		Wakhloo, et al., "Extended preoperative polyvinyl alcohol microembolization of intracranial	
}	вввввві	meningiomas: Assessment of two embolization techniques", American Journal of Neuroradiology,	
ļ		Vol. 14, pp. 571-582, 1993.	
	00000	Walker WJ, "Non Surgical Treatment of Fibroids in the UK by Uterine Artery Embolisation - An	
	CCCCCC	Alternative to Hysterectomy, Myomectomy and Myolysis"	
		Available Web Site: http://www.fibroids.co.uk/thepaper.html	
	/	Walsh RM et al., 1998, "Role of Angiography and Embolization for Acute Massive Upper	
1 1 1	DDDDDD	Gastronintestinal Hemorrhage." Department of General Surgery and Radiology, Cleveland Clinic Foundation, Cleveland, Ohio.	
1. 1/		Available Web Site: http://www.ssat.com/98ddw/abstscorrt-47.html	
<del>                                    </del>		Wikholm G et al., 1996, "Embolization of Cerebral Arteriovenous Malformations: Part I –	
1   1		Technique, Morphology, and Complications", Departments of Neurology (CL) and Interventional	
\ \/	FFFFFFF	Radiology (GW, PS), Sahlgrenska University Hospital, Goteborg, Sweden.	
1 X W 1		Neurosurgery. 1996, Sep;39(3):448-57; discussion 457-9.	
<b>\                                   </b>		Available Web Site: http://www.wwilkins.com/neurosurgery/0148-396X9-96inter.html	
		Worthington-Kirsch RL, 1999, "Interventionalists offer management option for uterine fibroids."	
ı Mi	FFFFFFF Diagnostic Imaging, pp. 47-49.		
/ // A ailable Web Site: http://www.dimag.com/references/9903wortrefs.html			
Examiner Signature Date Considered			
2-19-67			
EXAMINER: Initials ditation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with			
next communic			

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01194-459001	Application No. 10/830,195	
	closure Statement	Applicant Buiser et al.		
(Use several sh	eets if necessary)	Filing Date April 22, 2004	Group Art Unit 1742	

	Other Documents (include Author, Title, Date, and Place of Publication)				
	miner	Desig.			
M	itial	ID ID	Document		
M	1/5	GGGGG	Worthington-Kirsch, et al., "Uterine arterial embolization for the management of leiomyomas: Quality-of-life assessment and clinical response", Radiology, Vol. 208, No. 3, 625-629, 1998.		
	ſ	ннннн	Wright, K.D. et al., "Partial Splenic Embolization Using Polyvinyl Alcohol Foam, Dextran, Polystyrene, or Silicone," Radiology 142:351-354, February 1982		
			Yamada, et al., "Extended intraarterial cisplatin infusion for treatment of gynecological cancer after alteration of intrapelvic blood flow and implantation of a vascular access device", Cadiovasc Intervent Radiol (1996) 19:139-145		
		11111111111	Yusi et al., "Submuscosal Injection of Polyvinyl Alcohol in Artificially Created Vesico-Ureteral Reflux: A Preliminary Report," Asian J. Surg. 18(2): 122-127 (April 1995).		
		KKKKKK	Zou, Ying-hua et al., "Experimental Canine Hapatic Artery Embolization with Polyvinyl Alcohol Microspheres", Zong Hua Fang-She Xue ZaZhi, 1989 Dec. 23 (6): 330-332		
V		LLLLLLI	Zou, Ying-hua et al., "Experimental Canine Hapatic Artery Embolization with Polyvinyl Alcohol Microspheres", (Translation) "Zong Hua Fang-She Xue ZaZhi, 1989 Dec. 23 (6): 330-332		

Examiner Signature

Date Considered

EXAMINER: Initials of ation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.